UNIVERSITY OF MYSORE.

Notification No. 6586, *dated the* 18*th September* 1933.

The course of studies and the scheme of examination for the Intermediate examinations are revised as under :—

INTERMEDIATE EXAMINATION IN ARTS.

[Ordinance 57(*a*).]

Substitute the following :—

At the Intermediate Examination in Arts, a candidate shall be examined in—

1. *English.* —

The course shall consist of the detailed study of prescribed books on Poetry, Drama and Prose, and non-detailed study of other prescribed books and the examination shall comprise three papers on—

(1) Poetry and Drama;
(2) Prose—detailed and non-detailed ;
(3) General English.

2. *Second Language.*—One of the following :

Kannada, Urdu, Tamil, Telugu, Sanskrit, Persian and Arabic.

The course shall consist of the detailed study of prescribed books and Grammar. and the non-detailed study of other prescribed books.

The examination shall comprise two papers on—

(1) Composition and prescribed text-books for non-detailed study—common to I.A. and I.Sc.

Or

Translation and text-books common to I.A. and I.Sc.—in the case of classical languages.

(2) Text-books for detailed study and Grammar.

NOTE.—Students admitted to the University prior to July 1932, with French as Second Language under the transitional rules shall be permitted to offer French at the University examinations.

3. *Optional Subjects.—Three* out of the following ;

A selected language, Out-lines of World History, Logic, Economics, Mathematics, Physics, Chemistry, Biology.—

Provided that—

(i) either Logic or Mathematics must be taken ;
(ii) any one taking Physics must take Mathematics ;
(iii) not more than one of the last three subjects may be offered ;
(iv) the same language cannot be taken both under 2 and 3.

The selected language shall be selected from Old and Middle Kannada, Modern Kannada, Tamil, Telugu, Urdu, French, German, Sanskrit, Pali and Prakrit, Hindi, Arabic or Persian (Old and Modern) Latin and Greek.

The following shall be the *scheme* regarding the corresponding language or languages for each selected language in the Intermediate in Arts.

Selected language in the I. A.	Corresponding language in the S. S. L. C.
Old and Middle Kannada, Modern Kannada ..	Kannada
Tamil	Tamil
Telugu	Telugu
Urdu	Urdu
French	French
German	German
Sanskrit	Sanskrit
Pali and Prakrit	Sanskrit
Hindi	Hindi
Persian	Persian
Arabic	Arabic
Latin	Latin
Greek	Greek

The examination in the optional group shall comprise two papers on each of the subjects selected.

INTERMEDIATE EXAMINATION IN SCIENCE.

[Ordinance 57 (*b*)]

Substitute the following.—

At the Intermediate Examination in Science, a candidate shall be examined in—

1. ***English.***—
   Same as for the Intermediate Examination in Arts.

2. *Second Language.*—
   One of the following.—
   Kannada, Urdu, Tamil, Telugu, Sanskrit, Persian and Arabic.

The course shall consist of the non-detailed study of prescribed text-books.

The examination shall comprise one paper on Composition and prescribed text-books for non-detailed study—common to I. A. and I. Sc.

Or

Translation and text-books—common to I. A. and I. Sc.—in the case of Classical languages.

NOTE.—Students admitted to the University prior to July 1932 with French as second language under the transitional rules shall be permitted to offer French at the University examinations.

3. *Elementary Mathematics.*—
   For those who do not take for the optional subjects a group containing Mathematics.
   The examination shall comprise one paper.

4. *Optional Subjects.*—
   One of the following groups:—
   (1) Physics, Chemistry, Mathematics
   (2) Physics, Mathematics, Geology
   (3) Botany, Zoology, Chemistry
   (4) Botany, Geology, Chemistry
   (5) Geology, Zoology, Chemistry
   (6) Botany, Zoology, Geology
   (7) Physics, Mathematics, Economics.

The examination shall comprise two papers in each division of the group excepting Mathematics in which there shall be three papers, two of them being common with the Intermediate Examination in Arts.

DETAILED SYLLABUSES.

(Chapter IV—Pages 133 to 148 and pages 151 to 156 of the Calendar for 1932-33 Vol. 1).

The following are the changes:—

Logic.—Page 138: *Substitute*
Logic as in Welton's Groundwork of Logic.
for the existing.

Physics.—Pages 143 to 145—*Add* 'Electrolysis and Faraday's Laws of Electrolysis' at the end of the section on 'Electricity' on page 145.

Chemistry.—Pages 145 to 147—*Substitute* the following *for* the existing.

Air, Boyle's Law, Charle's Law—
Hydrogen, oxygen, water. Laws of chemical combination. Gay Lussac's Law of combining volumes.
Atoms and Molecules. Avagadro's hypothesis.
Symbols and formulæ, valency, radicles. Chemical equations and calculations.
Hydrogen peroxide and ozone.
Halogens and their hydracids. Electrolysis, sodium hypochlorite, potassium chlorate.
Elementary knowledge of oxidation and reduction.
Sulphur.—Rhombic and monoclinic varieties. Effect of heat on sulphur, sulphureted hydrogen, sulphur dioxide, sulphur trioxide, sulphuryl chloride, sulphurous and sulphuric acids, sodium thiosulphate.
Solubility of solids and gases in water. Solubility curves. Henry's Law of gas solubility.
Nitrogen, magnesium nitride, ammonia, oxides of nitrogen, nitrosyl chloride, nitrous and nitric acids.
Endothermic and exothermic compounds. Thermal dissociation. Reversible reactions.
Phosphorus.—Red and white varietis, phosphine, oxides of phosphorus, chlorides of phosphorus, phosphorus oxy-chloride, phosphorus and phosphoric acids, structural formulæ.
Neutralisation. Equivalent weight of acids, bases and salts. Normal solutions. Acid basic and normal salts. Water of crystallization.
Boron.—Boric acid, borax.
Silicon.—Silica, silicon tetrafluoride, sodium silicate, glass.
Carbon.—Allotropy, elementary knowledge of the distillation of wood and coal, methane, ethane, acetylene, carbon monoxide and dioxide, carbon-di-sulphide, carbon tetrachloride, calcium carbide, cyanogen, hydrocyanic acid, potassium cyanide, ferrocyanide and ferricyanide. Double salts and complex salts.
Combustion, elements of gas analysis.

General methods of determining equivalent weights, atomic weights and molecular weights.
Chief sources, preparation, properties, and uses of the following metals :—
Sodium, potassium, copper, silver, gold, magnesium, calcium, strontium, barium, zinc, mercury, aluminium, tin, lead, arsenic, chromium, manganese and iron.
The preparation and properties of the more important compounds of the above metals.
Elementary knowledge of the periodic classification of elements.
Students are expected to have a knowledge of the process of manufacture of the following :—
Hydrochloric, nitric and sulphuric acids. Aluminium, gold, iron, lead, zinc, sodium hydroxide, sodium carbonate.

Practical—Cutting, bending and drawing out glass tubing.
Preparation and study of the properties of hydrogen, oxygen, chlorine, hydrogen chloride, ammonia, nitrous and nitric oxides, nitric acid, sulphur dioxide, boric acid, alum, and ferrous ammonium sulphate. Composition by volume of air, ammonia and sulphur dioxide.
Density of carbon dioxide.
Solubility of solids in water. Solubility curves.
Equivalent weight of a metal (magnesium, iron, lead or aluminium).
Acidimetry and alkalimetry—estimation of acids, sodium hydroxide, sodium carbonate.
Simple exercises on the use of permanganate, thiosulphate and iodine standard solutions. Volumetric analysis.
Qualitative analysis of simple salts.

NOTE. (i)—The course in practical work should closely follow the study of the theoretical portions in the lecture classes.

(ii) The course in Chemistry should consist of two lectures per week of one hour each and one practical lesson pe week of two and a half hours.

English, Elementary Mathematics, Optional Mathematics—III paper, History, Economics. } Revised syllabuses will be published later.

SCHEME OF EXAMINATION—PAGES 156 to 160.

English: *I. A. and I.Sc.*—

		Hours	Marks
1.	Poetry and Drama	3	70
2.	Prose—detailed and non-detailed	3	70
3.	General English	3	60

Second Language.—

1.	Composition or Translation and non-detailed text-books (common to I. A. and I. Sc.)	3	100
2.	Text-books for detailed study and Grammar (I. A. only).	3	100

Mathematics : (*Optional for I.Sc.*)—

1.	Paper I—Algebra and Calculus (common to I. A. and I. Sc.)	3	100
2.	Paper II—Trigonometry and Geometry (common to I. A. and I. Sc.)	3	100
3.	Paper III (I. Sc. only)	3	100

The rest as in pages 158 *and* 160 *of Calendar for* 1932-33 *Vol. I.*

(*Government Order No. E.* 4284—*Uni.* 91-32-32, *dated the* 21*st June* 1933.)

NOTE.—The revised course and scheme will take effect from the Junior Intermediate Class of 1934-35.

By Order,
V. GOPALASWAMI AIENGAR,
Registrar.

THE GOVERNMENT CENTRAL BOOK DEPOT, BANGALORE.

Notification dated 9th October 1933.

The following publications have been recently received in the Depot for sale to the public.

	Name of the book.	*Price per copy.* Rs. a. p.
1.	Women's Rights under Hindu Law Regulation, X of 1933, in Kannada	0 1 9
2.	S. S. L. C. Teachers Register of Marks	0 8 0
3.	Mysore Service Regulation (sixth Edition) revised upto April 1933	1 8 0

Postage, etc., extra.

B. PUTTAIYA,
Superintendent.